

N-KAT STAND ALONE FOR HIGH-PURITY NITROGEN

MODULAR COMPONENTS FOR SYSTEM EXPANSION

Highest nitrogen purity and simultaneously generate more nitrogen volume with existing nitrogen generator

Our N-Kat system is a patented technology that enables the efficient production of high-purity nitrogen using hydrogen. It has proven itself over the years as an integral part of our nitrogen solutions in the field of laser cutting. It is also used in the electronics industry, in hardening processes and wherever high-purity nitrogen is required.

With this system, we reduce the compressed air factor to approx. 3.3 for a nitrogen purity of at least 99.999% (5.0) and a maximum of 99.9999% (6.0). In addition, our customers have the option of using an N₂ storage in combination with compressor and bundle.



N-KAT STANDALONE BENEFITS

- Significantly more efficient system with up to 50% savings in energy costs
- Expansion with low space requirements and little installation effort
- Can be used independently of the nitrogen generator manufacturer
- Higher nitrogen volume with the existing nitrogen generator
- Significantly less compressed air per m³ N₂ than before
- Significant savings in electricity process costs
- Less pollutant emissions, CO₂, particulate matter
- Relief for the environment & region
- Eligible for subsidies, as we save resources

